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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/731,042

12/08/2003

Charles Leu

7548

25859

7590

04/22/2005

WEI TE CHUNG
FOXCONN INTERNATIONAL, INC.
1650 MEMOREX DRIVE
SANTA CLARA, CA 95050

EXAMINER

ALAVI, ALI

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 04/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/731,042

Applicant(s)

LEU ET AL.

Examiner

Ali Alavi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) 11-19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/08/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Election/Restrictions

During a telephone conversation with Wei Chung on 3/25/05 a provisional election was made without traverse to prosecute the invention of light guide plate, claims 1-10. Affirmation of this election must be made by applicant in replying to this Office action. Claims 11-19 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5, and 7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Kalantar (US Pat No 6,174,064).

Kalantar discloses a light guide plate (20) comprising: a transparent plate comprising an emitting surface (15, fig. 2) and a plurality of diffusing protrusions (22, fig. 2) provided on the emitting surface of the transparent plate (20, fig. 2) and integrated with the transparent plate. Kalantar further discloses that the transparent is a flat panel

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(fig. 2), light diffusing made of PMMA (col. 8, line 19), protrusions is in the range from 10 to 50 (col. 18, line 37).

Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Ohkawa (US 6,406,158).

Ohkawa discloses a light guide plate (12a, figs 6-7) comprising: a transparent plate (col. 3) comprising an emitting surface (15, fig. 2) and a plurality of diffusing protrusions (12E, 12 H, fig. 1, Abstract, lines 18-20) provided on the emitting surface of the transparent plate (20, fig. 2) and integrated with the transparent plate. Ohkawa further discloses that the transparent is a flat panel (fig. 2), light diffusing made of PMMA (col. 4, line 55), protrusions is in the range from 10 μm to 50 μm (col. 5, line 32).

Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Ryu et al (US 6,612,722).

Ryu discloses a light guide plate (20) comprising: a transparent plate comprising an emitting surface (figs 4-7) and a plurality of diffusing protrusions (21, fig. 4) provided on the emitting surface of the transparent plate and integrated (micro cells 21 can be formed on the surface of the light guide by molding which is integrated, col. 5, lines 62-64) molded with the transparent plate. Ryu further discloses that the transparent is a flat panel (fig. 4), light diffusing made of PMMA (col. 8, line 19), protrusions is in the range from 10 to 50 (col. 5, line 45).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ohkawa in view of Masaki et al (US Pat. No 6,505,959 B2).

Ohkawa discloses the claimed invention except for the plurality of dots distributed on a bottom surface of the transparent plate and dots are evenly distributed on the bottom surface of the transparent plate. Masaki teaches that the bottom surface of a light guide can be provided with a plurality of dot pattern in order to diffuse light emitted by the light source toward a light emitting surface. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the light plate of Ohkawa by providing a plurality of dots distributed on a bottom surface of the light guide in order to diffuse the light toward the light emitting surface as taught by Masaki et al (col. 7, lines 62-67, and col. 8, lines 1-5).

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Ali Alavi whose telephone number is (571) 272-2365. The examiner can normally be reached between 7:00 A.M. to 5:30 P.M. Tuesday to Friday. If attempts to reach the examiner by phone are unsuccessful, the examiner's

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supervisor, Sandy O'Shea can be reached at (571) 272-2378 or you may fax your inquiry to the **Central Fax** at (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ali Alavi
Patent Examiner
AU 2875